



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Hiroiyuki HIRAIWA

Group Art Unit: 1731

Application No.: 09/719,998

Examiner: M. Colaianni

Filed: December 19, 2000

Docket No.: 108186

For: SILICA GLASS MEMBER, METHOD FOR PRODUCING THE SAME, AND  
PROJECTION ALIGNERS USING THE SAME

INFORMATION DISCLOSURE STATEMENT

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GROUP 1700

Commissioner for Patents  
P.O. Box 1450  
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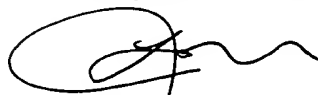
Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, Notice of Allowance or other action that closes prosecution (e.g., Quayle Action).
- ☒ a. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).
- ☒ b. Attached is our check no. 142040 in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please credit or debit Deposit Account No. 15-0461 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.

- ☒ 2. English-language Abstracts of the non-English language references are attached hereto.

Respectfully submitted,



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MAC:RZE/cfr

Date: May 9, 2003

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Sheet 1 of 1

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|---|--|--|--------|----------------------------------|-----------------|-------------------------------|--|
| Form PTO-1449<br>(REV. 8-83)  |  | Dept. of Commerce<br>PATENT & TRADEMARK OFFICE     |        | ATTY DOCKET NO.<br>108186        |                 | APPLICATION NO.<br>09/719,998 |  |
| INFORMATION DISCLOSURE STATEMENT<br><br>(Use several sheets if necessary)   |  |  |        | APPLICANT(S)<br>Hiroyuki HIRAIWA |                 |                               |  |
|   |  |  |        | FILING DATE<br>December 19, 2000 |                 | GROUP<br>1731                 |  |
| U.S. PATENT DOCUMENTS   |  |  |        |                                  |                 |                               |  |
| EXAMINER<br>INITIAL   |  | DOCUMENT NUMBER                                    | DATE   | NAME                             | CLASS           | SUB<br>CLASS                  |  |
|   |  |  |        |                                  |                 |                               |  |
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| FOREIGN PATENT DOCUMENTS  |  |  |        |                                  |                 |                               |  |
|   |  | DOCUMENT NUMBER                                    | DATE   | COUNTRY                          | CLASS           | SUB<br>CLASS                  |  |
|   |  | JPA 11-054411 (w/Eng. Abstract )                   | 2/1999 | JAPAN                            |                 |                               |  |
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|   |  |  |        |                                  |                 |                               |  |
|   |  |  |        |                                  |                 |                               |  |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)  |  |  |        |                                  |                 |                               |  |
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| EXAMINER  |  |  |        |                                  | DATE CONSIDERED |                               |  |
| Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |  |  |        |                                  |                 |                               |  |

Date: May 9, 2003